

**LOCKING DEVICE SUSTAINING HIGH PRESSURE FOR COFFEE MAKER LID**

**ABSTRACT OF THE INVENTION**

5 This invention provides a locking device sustaining high pressure  
in a coffee maker which comprises a brew head assembly which  
comprises: a slide assembly, a sealing assembly and a pop-up  
and roll-back assembly, operatively linked to sustain pressure  
up to four (4) bars. Furthermore, this invention provides a method  
for one-hand operation on the locking of a coffee maker comprising  
10 steps of: a) Using one hand to put the lever forward to release  
the lock which is controlled by two parts, the slider and the  
three mounts on the brew base wherein the back-and-forth movement  
of the slider will produce the action of locking and releasing;  
b) Moving the lever forward, produce the push rod that is  
15 assembled on the slider will push the slider forward so the brew  
head is released; c) Putting back the lever, the push rod will  
put back the slider so the brew head is locked; and d) after  
releasing the lock, the lift platform will pop up by the lift  
platform spring and the lid mount roll up by the hinge spring.